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ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRUDA)

DETAILED PROJECT REPORT

YEAR (2021 - 2022)



STATE SCHEME

STATE	:-	BIHAR
DISTRICT	:-	Samastipur
BLOCK	:-	Ujlyarpur
NAME OF ROAD	:-	NH 28 Kamla Gate To Vaidehi High School tak Path Nirman
CONSTRUCTION LENGTH OF ROAD	:-	2.650 km
TOTAL COST OF CONSTRUCTION	:-	Rs. 142.815 Laes
Construction Cost Including (GST 12% ,L.C 1%& 10% S.F.)		Rs. 162.909 Laes

SUBMITTED BY:

Executive Engineer
RWD (w) Division, Dalsingsarai
Samastipur

PREPARED BY:

The Ace Consulting Engineers
A-3 3rd Floor, Sai Nilayam,
Police Colony, Anishabad, Patna, Bihar
Mobile No. -7903734067

STATE SCHEME

YEAR (2021 - 2022)

GENERAL ABSTRACT OF COST

Block:--Ujiyarpur

District:--Samastipur

TOTAL LENGTH OF ROAD (Km) 2.650 KM

Construction Length of Road:-- 2.650 KM

Name of Road:-- NH 28 Kamla Gate To Vaidehi High School tak Path Nirman

SL. No.	Item of Work	Amount
A	TOTAL COST OF CONSTRUCTION (Inc G.S.T, LABOUR CESS, S.F.)	162.909 Lacs
	TOTAL	162.909 Lacs

23/05/2022
Junior Engineer
RWD (w) Division,
Dalsingsarai

23/5/22
Asstt. Engineer
RWD (w) Division, Dalsingsarai

23.05.2022
Executive Engineer
RWD (w) Division,
Dalsingsarai

A/A/ 3051-04-55/2022-1423 जमा दिनांक 26.3.2022
Rs 162.91 Lacs.

24-05-2022
बनौज एभियता
बनौज कार्य विभाग
कार्य अंश-मयस्तीपुर

SUMMARY OF COST ESTIMATE FOR THE PROJECT

Road No. MR
NAME OF ROAD : NH 28 Kamla Gate To Vaidehi High School tak Path Nirman
DISTRICT Samastipur
BLOCK Ujiyarpur

TOTAL LENGTH OF ROAD (Km) 2.650
CONST. LENGTH OF ROAD(Km) 2.650
LENGTH OF BT PAVEMENT 600
LENGTH OF CC PAVEMENT 2050

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	SITE CLEARANCE	0.434
2	BRICKBATS & EARTHWORK	10.180
3	GSB (G II)	9.129
4	WBM GRADE III	19.492
5	PRIME COAT	1.218
6	TACK COAT	0.414
7	PREMIX CARPET	4.836
8	SLAL COAT	1.556
9	DRY LEAN CONCRETE	0.963
10	CEMENT CONCRETE PAVEMENT	83.256
11	HARD SHOULDERING	5.581
12	LOGO & ROAD MARKING	5.631
SUB TOTAL OF PAVEMENT COST IN LACS =		142.689
13	CROSS DRAINAGE STRUCTURES	
	Utility Pipe (300 mm Dia)	0.126
SUB TOTAL OF CD STRUCTURES COST IN LACS =		0.126
Sub Total :-		142.815
GST @ 12 % on Total Construction Cost :-		17.138
Labour Cess @ 1 % on Total Construction Cost :-		1.428
Add Seigniorage Fee :-		1.527
Total Construction Cost (GST 12% , L.C 1%& S.F.) (In Laes):-		162.909

SSONON
23/05/2022

Junior Engineer

RWD (w) Division, Dalsingsarai

Assistant Engineer
23/05/22

RWD (w) Division, Dalsingsarai

Executive Engineer
23/05/22

RWD (w) Division,
Dalsingsarai

STATE SCHEME

ESTIMATE FOR CONSTRUCTION OF ROADS

(ITEM RATES AS PER STANDARD S.O.R.)

NAME OF ROAD : NH 28 Kamla Gate To Vaidehi High School Tak Path Nirm				Measurements				FORMAT NO. :- F - 6			
Block :- Ujjaypur District :- Samastipur				Total Length of road-				mt.			
				Length of new Proposed BT Portion				mt.			
				Length of new Proposed CC Portion				mt.			
Sl. No.	SDB SL No	MORD Ref No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
SUB HEAD : PREPARATORY WORKS, SITE CLEARANCE, DISMANTLING											
1	2.2	201 (I-A)	Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation , grass bushes, shrubs , saplings and trees of girth upto 300mm , removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification - clause 201.1 and direction of E/I	Ha	2	2,650.00	1.50		7,950.00		
									0.80	54,538.88	43,358.00
									A) SUB TOTAL =		43,358.00
SUB HEAD : EARTHWORK											
2	3.5	202	Box Cutting								
	III		Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 302.3								
			Be side of BT for Provision of Flexible Road	cum	2	600.00	0.375	0.175	78.75		
			Be side of BT for Provision of Rigid Road	cum	2	1,250.00	0.375	0.175	164.06		
			Be side of PCC for Provision of Rigid Road	cum	2	800.00	0.375	0.175	105.00		
								Total=	347.81	91.03	31,662.00
3			Brick Bats								
				Cum	1.00	80.00	3.050	0.300	73.20		
				Cum	1.00	35.00	3.050	0.150	16.01		
				Cum	1.00	60.00	3.050	0.300	54.90		
				Cum	1.00	20.00	3.050	0.175	10.68		
				Cum	1.00	50.00	3.050	0.250	38.13		
				Cum	1.00	15.00	3.050	0.200	9.15		
								Total Quantity =	202.07		
									202.07	1896.72	3,83,270.00

STATE SCHEME
Abstract Cost of CD Structure

Name of Road : NH 28 Kamla Gate To Vaidehi High School tak Path Nirman

Length of Road : 2.650 km

Construction Length of Road : 2.650 km

Block : Ujiyarpur

S.No.	Particulars		Details	Total Cost (in Lakh)
	Construction of CD Works	No.	Cost of Each CD	Amount
1	Single Row 300 mm Dia (Irrigation Conduit)	2	6,316.00	12,632.00
	Total Cost of CD			12,632.00
			Say	0.126 Laes